

SNEHA JAGANNATHA KUNTOJI

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EDUCATION

Rutgers University

December 2025

Master of Information Technology and Analytics

3.8/4.0

Coursework: Advance Database System, Data Mining, Data Analysis and Visualization, Python Programming, Database Management, Machine Learning, Business Forecasting.

Bapuji Institute of Engineering and Technology

August 2021

B.E. Information Science and Engineering

3.6/4.0

EXPERIENCE

Rutgers Business School

September 2024 - Present

Teaching Assistant, Data Analysis and Visualization

- Led and taught a Data Visualization course with Tableau, advancing 150+ students from beginner to intermediate level within 3 months.
- Consistently received 5/5 satisfaction ratings by incorporating hands-on exercises and providing personalized feedback, ensuring effective learning.

Deloitte

October 2021 - May 2024

Data Analyst

- Designed and optimized interactive BI dashboards in Tableau and Power BI, providing real-time KPI monitoring and reducing manual reporting efforts by 50% across multiple business units.
- Streamlined SQL-based data pipelines, cutting query execution time by 40%, ensuring smoother integration of structured and unstructured data. Enhanced data accessibility and consistency for business users, leading to more efficient reporting and analysis.
- Developed predictive models for sales and revenue forecasting using Python, improving planning accuracy by 20%. Conducted Exploratory Data Analysis (EDA) to uncover trends, leading to a 25% improvement in decision-making accuracy.
- Automated and optimized financial reporting workflows using ETL processes (SQL Server, Alteryx, Apache Airflow), reducing month-end closing time by 30% and improving data accessibility for finance teams. Integrated data from multiple sources for comprehensive, real-time reporting.
- Enhanced cloud infrastructure leveraging AWS services (Lambda, S3, DynamoDB, SNS, CloudWatch) to improve scalability, reliability, and data processing efficiency. Ensured robust data governance, implementing best practices in data cleansing, transformation, and validation, achieving 95% data accuracy.

RELEVANT PROJECTS

Retail Inventory Optimization & Sales Forecasting — SQL, Power Query, Power BI

September 2024

- Developed a Power BI dashboard to optimize inventory levels and sales forecasting, reducing stockouts by 30% and excess inventory by 25%.
- Queried and analyzed 5M+ transaction records using SQL, leveraging Power Query for data transformation and DAX measures for dynamic sales and stock tracking.

Credit Card Fraud Detection — Python, Scikit-learn, NumPy, SMOTE

December 2024

- Engineered a fraud detection model using Decision Tree Classifier, achieving 92% accuracy.
- Enhanced model performance through data preprocessing, feature engineering, and SMOTE, increasing fraud detection accuracy by 15% and reducing false positives by 20%.
- Evaluated and selected the best-performing machine learning model, achieving 92% accuracy and enhancing fraud prevention effectiveness.

SKILLS

- **Languages:** Python(Pandas, NumPy, Sklearn), SQL, Linux Shell, Excel, Power BI, Tableau, SAP, Alteryx.
- **Database & Cloudcomputing:** Azure, Hive, Hadoop, PostgreSQL, Amazon Linux, MySQL, Oracle.
- **Data Management & Analysis:** Data Cleaning, Statistical Analysis, Report Generation, Business Intelligence, Trend Analysis.